



UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

Address: COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

SERIAL NUMBE 09/020,565	R	FILING DATE 01/16/1998 RULE _	CLASS 438		GROUP ART UNIT 2823		ATTORNEY DOCKET NO. 22010-128/IL			
JOSEPH W. KARL HESS,	LYDIN CHAI	NG, CHAMPAIGN, IL ; MPAIGN, IL ;								
AND SAID IS A CON OF WHICH IS A	F PCT/ CON (**************************************	96 PAT-5, 587	710,523 2,387						
				STATE OR COUNTRY IL		RAWING CL/		TAL NMS 22	INDEPENDENT CLAIMS 3	
ADDRESS KENNETH A GANDY WOODARD EMHARDT NAUGHTON MORIARTY AND MCNETT BANK ONE TOWER SUITE 3700 111 MONUMENT CIRCLE INDIANAPOLIS, IN 462045137										
TITLE FORMING OF DEUTERIUM CONTAINING NITRIDE SPACERS AND FABRICATION OF SEMICONDUCTOR DEVICES										
ı.						☐ All Fees ☐ 1.16 Fees (Filing)				
FILING FEE F RECEIVED				T ACCOUNT		1.17 Fees (Processing Ext. of time				
964						☐ 1.18 Fees (Issue) ☐ Other				
						☐ Credit				





Printed 07/22/1999

09/020,565	01/16/1998	438	GROUP ART UNIT	ll l	EY DOCKET NO 0-128/IL
APPLICANT					
JOŞEPH W LYDING	G, CHAMPAIGN, ILLINOI	S; KARL HESS, CH	AMPAIGN, ILLI	NOIS.	
CONTINUING DO	? OMESTIC DATA***** US	*****	Le		
Yo<	US	53N 08/586,411	, filed = 01/1	6/96	
+371 (NATEL ST	DACE \ DAMA+++++++++	· · · · · · · · · · · · · · · · · ·			
VERIFIED	rage) data***** $ ho$ C	T/4597/20622		16	
				997	
FOREIGN APPLI	[CATIONS*******	***** Le	_		
ACOACE.					
<u> </u>					***************************************
-					***************************************
•					
					2 marin (1997)
•					
FOREIGN FILI	NG LICENSE GRANTEI	04/16/1998			
Foreign priority claimed 35 USC 119 (a-d) condition	O yes o no s met O yes o no O Met after Allowa	STATE OR COUNTRY	SHEETS DRAWINGS	TOTAL CLAIMS	MDEPENDENT CLAIMS
Verified and acknowledged		_ IL	3	22	3
	Examiner's Name Initials				
	WOODARD EMHARDT	,			
NAUGHTON MORIAR BANK ONE TOWER	SUITE 3700	HIOD Form	of Deuta	ium Contain	ing Nitrill
111 MONUMENT CI INDIANAPOLIS ,		and ;	Fabrication of	Semiconduct	or Devices
TITLE		7			
BEMICONDUCTOR D	EVICES, AND METHODS	OR SAME A Metho Licensia	of Forming	Semiconductor	Dovinces
) Deuterium , T ier Reliabillty		mprova
FILING FEE	FEES: Authority has been gi		O All Fee	S	704
RECEIVED	No to charge/credit DEPOSIT ACCOUNT O 1.16 Fees (Filing) NO for the following: O 1.17 Fees (Processing Ext. of Time)				xt. of Time)
\$**964	O 1.18 Fees (Issue) O Other				
)			O Credit		7/22/99





UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

Address: COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

SERIAL NUMB 09/020,565		01/16/1998 RULE _		LASS 438	GRO	GROUP ART UNIT 2823		ATTORNEY DOCKET NO. 22010-128/IL	
APPLICANTS JOSEPH W KARL HES	V. LYE S, CH	DING, CHAMPAIGN, IL AMPAIGN, IL ;	•						
THIS APPL WHICH IS A	ICATI A 371	ON IS A CON OF 08/5 OF PCT/US97/00629	86,411 0 [.] 01/16/199	1/16/1996 PA 97	T 5,87	2,387	·		
		GN FILING LICENSE		D_	(
							1 _		
ADDRESS KENNETH A GAI NAUGHTON MO BANK ONE TOW 111 MONUMENT INDIANAPOLIS,	RIAR /ER S 「CIRC	CLE	-	_	/				
TITLE FORMING OF DI DEVICES	EUTE	RIUM CONTAINING N	ITRIDE S	PACERS AN	D FAB	RICATIO	N OF SEM	ICONDUCTOR	
					All Fees				
						1.16 Fees (Filing)			
RECEIVED	FEES: Authority has been given in Paper No to charge/credit DEPOSIT ACCOUNT No for following:				1.17 Fees (Processing Ext. of time)				
964	No for following:					1.18 Fees (issue)			
					Other				
						☐ Cred	lit		





UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

Address: COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

SERIAL NUMBER 09/020,565	FILING DATE 01/16/1998 RULE _	CLASS 438	GROUP ART U 2823	וואוכ	ATTORNEY DOCKET NO. 22010-128/IL			
** CONTINUING DATA THIS APPLICATE WHICH IS A CO (*) Data inconsis ** FOREIGN APPLICATE	48le	Now 372,387						
Verified and Acknowledged I	yes no s met yes no no Met afte xaminer's Signature	SHEETS DRAWING 3	TOTAL CLAIMS 22	INDEPENDENT CLAIMS 3				
ADDRESS KENNETH A GANDY NAUGHTON MORIAR BANK ONE TOWER S 111 MONUMENT CIR INDIANAPOLIS ,IN 46	SUITE 3700 CLE							
TITLE FORMING OF DEUTERIUM CONTAINING NITRIDE SPACERS AND FABRICATION OF SEMICONDUCTOR DEVICES								
RECEIVED No.	RECEIVED No to charge/credit DEPOSIT ACCOUNT			All Fees 1.16 Fees (Filing) 1.17 Fees (Processing Ext. of time) 1.18 Fees (Issue) Other, Credit				